Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/02/2020 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123776	-1	2.70	123935	2.67
Blue	F	SSC	125000	123377	-2	2.85	124175	2.76
Blue	E	FITC	15892	15342	-4	3.07	334	20.82
Blue	D	PE	29999	29211	-3	2.35	635	15.59
Blue	B	PerCP-Cy5-5	43732	43277	-2	4.01	1160	20.89
Blue	A	PE-Cy7	30845	30799	-1	6.24	581	42.77
Red	C	APC	46112	44788	-3	2.62	1586	12.15
Red	A	APC-Cy7	30458	29660	-3	2.43	781	11.89
Violet	B	V450	7918	7544	-5	4.15	430	13.64
Violet	A	V500	32171	30827	-5	3.91	722	10.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16967	10.71	633	12	N/A	N/A	Pass
Blue	F	SSC	56570	2.09	573	14	N/A	N/A	Pass
Blue	E	FITC	61	68.96	549	6	0.0195	219	Pass
Blue	D	PE	132	52.61	555	7	0.1440	264	Pass
Blue	B	PerCP-Cy5-5	211	51.74	662	6	0.0087	69	Pass
Blue	A	PE-Cy7	106	106.75	705	7	0.0100	15	Pass
Red	C	APC	378	25.48	584	0	0.0246	170	Pass
Red	A	APC-Cy7	172	28.43	556	0	0.0057	902	Pass
Violet	B	V450	65	62.55	459	1	0.0441	1956	Pass
Violet	A	V500	108	38.80	475	1	0.0228	1544	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.89	-32.20	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	17.56	13.60 - 20.40	N/A	N/A	29.57	30.13	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9599

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments